

# Notice of Allowability

Application No.

09/349,735

Examiner

Truc T. Chuong

Applicant(s)

MCKEETH, JAMES

Art Unit

2179

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 9/21/07.
2. ☒ The allowed claim(s) is/are 1-5, 8, 14-16 and 19-21.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All   b) ☐ Some\*   c) ☐ None   of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

- |  |   |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application                     |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date _____    | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                   |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance  |
|  | 9. <input type="checkbox"/> Other _____   |

### EXAMINER'S AMENDMENT

I. Applicants' Attorney, Mr. James W. Ausley and Examiner discussed and agreed to amend claims 1, 14, and 19; and claims 6-7, 9-13, 17-18, and 22-40 are canceled from the existing claims 1-40 in the phone interview on Thursday, December 6, 2007; and the Applicant gives the Examiner permission to correct the issue on Examiner's Amendment. The Examiner's Amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

**II. The application has been amended as follows:**

1. (Currently Presented) A method for performing interactive computer diagnostic and maintenance actions on an electronic device, the method comprising:

presenting via the electronic device a graphical representation of a text markup language document providing control for maintenance and diagnostics of the electronic device to an end user wherein the graphical representation includes at least one user interactive control for activating at least one hypertext link;

upon receiving an activated hypertext link from the end user wherein the activated hypertext link is associated with hypertext link attributes by the text markup language document including attributes specifying a target and a uniform resource locator,

determining in the electronic device whether the activated hypertext link satisfies predetermined criteria; and

when the activated hypertext link satisfies the predetermined criteria, avoiding loading the activated hypertext link as a text markup language document and generating a disk image responsive to receiving the activated hypertext link, and when the activated hypertext link does not satisfy the predetermined criteria, loading a text markup language document corresponding to the uniform resource locator and, for at least certain of the predetermined criteria, performing at least one of,

automatically obtaining and passing device identifier data corresponding to the electronic device to obtain a resource matching the electronic device; and

automatically executing one or more patch programs in a queue of the patch programs and wherein patch programs are removed from the queue after execution and wherein the electronic device is rebooted after each execution.

2. (Original) The method of Claim 1 wherein the text markup language is hypertext markup language.

3. (Original) The method of Claim 1 wherein the text markup language is Rich Text Formatting.

4. (Previously presented) The method of Claim 1 wherein generating the disk image comprises executing a file designated by the uniform resource locator.

5. (Previously presented) The method of Claim 1, further comprising looking up the uniform resource locator in a database and wherein generating the disk image is responsive to information specified in the database as relating to the uniform resource locator.

6. (Canceled)

7. (Canceled)

8. (Previously presented) The method of Claim 1 wherein generating the disk image comprises executing a disk image dialogue with a source specified in the uniform resource locator.

9. (Canceled)

10. (Canceled)

11. (Canceled)

12. (Canceled)

13. (Canceled)

14. (Currently Presented) A computerized system for performing maintenance and diagnostic functions on an electronic device comprising:

a display;

a graphical user interface comprising a presentation of a text markup language document and providing control for maintenance and diagnostics of the electronic device to an end user displayed on said display;

a user interactive control configured to be responsive to the end user;

a hypertext link configured to be activated by the user interactive control wherein the hypertext link is associated with hypertext link attributes by the text markup language document including attributes specifying a target and a uniform resource locator; and

a computer resource configured to determine whether the activated hypertext link satisfies predetermined criteria and when the activated hypertext link satisfies the predetermined criteria, to avoid loading the activated hypertext link as a text markup language document and to generate a disk image responsive to receiving the activated

hypertext link and when the activated hypertext link does not satisfy the predetermined criteria, to load a text markup language document corresponding to the uniform resource locator and, for at least certain of the predetermined criteria, to perform at least one of, automatically obtaining and passing device identifier data corresponding to the electronic device to obtain a resource matching the electronic device; and

automatically executing one or more patch programs in a queue of the patch programs and wherein patch programs are removed from the queue after execution and wherein the electronic device is rebooted after each execution.

15. (Original) The computerized system of Claim 14 additionally comprising a database wherein the hypertext link target triggers an action comprising looking up the uniform resource locator in the database and executing a subsequent action specified in the database and relating to the uniform resource locator.

16. (Original) The computerized system of Claim 14 wherein the text markup language is hypertext markup language.

17. (Canceled)

18. (Canceled)

19. (Currently Presented) A computer-readable storage medium, comprising program instructions for causing an electronic device to:

present via the electronic device a graphical representation of a text markup language document providing control for maintenance and diagnostics of the electronic device to an end user wherein the graphical representation includes at least one user interactive control for activating a hypertext link;

receive an activated hypertext link request from the end user wherein the hypertext link is associated with hypertext link attributes by the text markup language document including attributes specifying a target and a uniform resource locator;

determine in the electronic device whether the activated hypertext link satisfies predetermined criteria and when the activated hypertext link satisfies the predetermined criteria, to avoid loading the activated hypertext link as a text markup language document and to perform a computer maintenance action with respect to the electronic device responsive to receiving the activated hyperlink request wherein the action comprises generating a disk image and when the activated hypertext link does not satisfy the predetermined criteria, to load a text markup language document corresponding to the uniform resource locator and, for at least certain of the predetermined criteria, perform at least one of,

automatically obtaining and passing device identifier data corresponding to the electronic device to obtain a resource matching the electronic device; and

automatically executing one or more patch programs in a queue of the patch programs and wherein patch programs are removed from the queue after execution and wherein the electronic device is rebooted after each execution.

20. (Previously Presented) The computer-readable storage medium of Claim 19 additionally comprising program instructions for causing an electronic device to perform the actions of:

looking up the uniform resource locator in a database and executing a subsequent action specified in the database and relating to the uniform resource locator.

21. (Previously Presented) The computer-readable storage medium of Claim 19, wherein performing the action associated with the target comprises executing a file designated by the uniform resource locator.

22-40. (Canceled)

***Allowable Subject Matter***

1. Claims 1-5, 8, 14-16, and 19-21 are allowed.
2. The following is an examiner's statement of reasons for allowance in combination with other claim limitations:

Independent claims 1, 14, and 19, when considered as a whole, are allowable over the Prior Art of record. Specifically, the Prior Art of record fails to teach the computerized system for performing maintenance and diagnostic functions on the electronic device comprising the graphical user interface comprising the presentation of the text markup language document and providing control for maintenance and diagnostics of the electronic device to the end user, the user interactive control configured to be responsive to the end user, the hypertext link configured to be activated by the user interactive control wherein the hypertext wherein the hypertext link is associated with hypertext link attributes by the text markup language document including attributes specifying the target and the uniform resource locator, and the computer resource configured to determine whether the activated hypertext link satisfies predetermined criteria and when the activated hypertext link satisfies the predetermined criteria, to avoid loading the activated hypertext link as the text markup language document and to

generate the disk image responsive to receiving the activated hypertext link and when the activated hypertext link does not satisfy the predetermined criteria, to load the text markup language document corresponding to the uniform resource locator and, for at least certain of the predetermined criteria, to perform at least one of automatically obtaining and passing device identifier data corresponding to the electronic device to obtain the resource matching the electronic device, and automatically executing one or more patch programs in the queue of the patch programs and wherein patch programs are removed from the queue after execution and wherein the electronic device is rebooted after each execution.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Truc T. Chuong whose telephone number is 571-272-4134. The examiner can normally be reached on M-Th and alternate Fridays 8:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Weilun Lo can be reached on (571) 272-4847. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.



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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Truc T. Chuong

12/07/07



**WEILUN LO**  
**SUPERVISORY PATENT EXAMINER**